

**PATENT**

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APPLICATION, COMMISSIONER FOR PATENTS, P.O. BOX 1450,  
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February 2, 2004

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants : Shuvo Roy et al.

Serial No. : TBD  
(Continuation of U.S. Patent Appln.  
Serial No. 09/939,331, filed  
August 24, 2001)

Filing Date : Concurrently Herewith

For : APPARATUS AND METHOD FOR  
ASSESSING LOADS ON  
ADJACENT BONES

Attorney Docket No. : CCF-5519NP2

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

This information disclosure statement is being filed to fulfill the duty of candor and good faith toward the Patent and Trademark Office in accordance with 37 CFR §1.56.

Copies of listed publications are enclosed. No copies of the listed U.S. Patents and U.S. Patent Applications are enclosed. A PTO Form 1449 is attached.

**U.S. PATENT DOCUMENTS**

U.S. Patent No. 5,425,775

U.S. Patent No. 6,034,296

U.S. Patent No. 5,456,724

U.S. Patent No. 6,036,693

U.S. Patent No. 5,470,354

U.S. Patent No. 6,059,784

U.S. Patent No. 5,531,787

U.S. Patent No. 6,342,074

U.S. Patent No. 5,843,082

U.S. Patent No. 6,447,448

**OTHER DOCUMENTS**

IEEE Transactions on Biomedical Engineering, Vol. 47, No. 1, January 2000  
"A PORTABLE MICROSYSTEM-BASED TELEMETRIC PRESSURE AND  
TEMPERATURE MEASUREMENT UNIT", Bernd B. Flick and Reinhold Orglmeister.

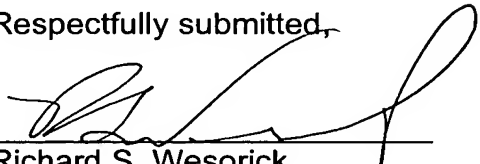
Med. Eng. Phys. Vol. 19, No. 6, pp. 539-546, 1997 "COMPARISON OF  
LOADS ON INTERNAL SPINAL FIXATION DEVICES MEASURED *IN VITRO* AND  
*IN VIVO*", A. Rohlmann, G. Bergmann, F. Graichen and U. Weber.

Journal of Microelectromechanical Systems, Vol. 9, No. 1, March 2000, A  
MINIATURE PRESSURE SYSTEM WITH A CAPACITIVE SENSOR AND A  
PASSIVE TELEMETRY LINK FOR USE IN IMPLANTABLE APPLICATIONS",  
Stavros Chatzandroulis, Dimitris Tsoukalas and Peter A. Neukomm.

"INTRODUCTION TO MEMS", M. Mehregany and S. Roy.

SPINE Volume 25, Number 20, pp. 2595-2600 "REAL-TIME *IN VIVO*  
LOADING IN THE LUMBAR SPINE" "Part 1. Interbody Implant: Load Cell Design  
and Preliminary Results", Eric H. Ledet, MS, Barton L. Sachs, MD, John B. Brunski,  
PhD, Charles E. Gatto, MD, and Peter S. Donzelli, PhD.

Respectfully submitted,



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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
(REV. 6-89) PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.: CCF-5519NP2

SERIAL NO. TBD

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

*(Use several sheets if necessary)*

APPLICANT(S): Shuvo Roy et al.

FILING DATE: Concurrently Herewith

GROUP: TBD

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
A	US-5,425,775	Jun. 20, 1995	Kovacevic et al.			
B	US-5,456,724	Oct. 10, 1995	Yen et al.			
C	US-5,470,354	Nov. 28, 1995	Hershberger et al.			
D	US-5,531,787	Jul. 2, 1996	Lesinski et al.			
E	US-5,843,082	Dec. 1, 1998	Yuan et al.			
F	US-6,034,296	Mar. 7, 2000	Elvin et al.			
G	US-6,036,693	Mar. 14, 2000	Yuan et al.			
H	US-6,059,784	May 9, 2000	Perusek			
I	US-6,342,074	Jan. 29, 2002	Simpson			
J	US-6,447,448	Sep. 10, 2002	Ishikawa et al.			
K						

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
					YES	NO
L						
M						
N						

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

O	IEEE Transactions on Biomedical Engineering, Vol. 47, No. 1, January 2000 "A PORTABLE MICROSYSTEM-BASED TELEMETRIC PRESSURE AND TEMPERATURE MEASUREMENT UNIT", Bernd B. Flick and Reinhold Orglmeister.
P	Med. Eng. Phys. Vol. 19, No. 6, pp. 539-546, 1997 "COMPARISON OF LOADS ON INTERNAL SPINAL FIXATION DEVICES MEASURED IN VITRO AND IN VIVO", A. Rohlmann, G. Bergmann, F. Graichen and U. Weber.
Q	Journal of Microelectromechanical Systems, Vol. 9, No. 1, March 2000, A MINIATURE PRESSURE SYSTEM WITH A CAPACITIVE SENSOR AND A PASSIVE TELEMETRY LINK FOR USE IN IMPLANTABLE APPLICATIONS", Stavros Chatzandroulis, Dimitris Tsoukalas and Peter A. Neukomm.
R	"INTRODUCTION TO MEMS", M. Mehregany and S. Roy.
S	SPINE Volume 25, Number 20, pp. 2595-2600 "REAL-TIME IN VIVO LOADING IN THE LUMBAR SPINE" "Part 1. Interbody Implant: Load Cell Design and Preliminary Results", Eric H. Ledet, MS, Barton L. Sachs, MD, John B. Brunski, PhD, Charles E. Gatto, MD, and Peter S. Donzelli, PhD.

EXAMINER

DATE CONSIDERED

**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent applicants' attorney.